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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/700,481	11/05/2003	Gi Sung Pang	967.43262X00	7748	
20457 7	7590 11/17/2004		EXAMINER		
	I, TERRY, STOUT & SEVENTEENTH STRI	NGUYEN, TU T			
SUITE 1800	OL VENTEENTH OTRO	ART UNIT	PAPER NUMBER		
ARLINGTON	, VA 22209-9889		2877		

DATE MAILED: 11/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No	•	Applicant(s)				
Office Action Summary		10/700,481		PANG ET AL.				
		Examiner		Art Unit				
		Tu T. Nguyen		2877				
The N Period for Reply	TAILING DATE of this communication ap	pears on the cove	r sheet with the c	orrespondence ad	idress			
THE MAILIN - Extensions of ti after SIX (6) MG - If the period for - If NO period for - Failure to reply Any reply receive	IED STATUTORY PERIOD FOR REPL G DATE OF THIS COMMUNICATION. me may be available under the provisions of 37 CFR 1. DNTHS from the mailing date of this communication. reply specified above is less than thirty (30) days, a repreply is specified above, the maximum statutory period within the set or extended period for reply will, by statutived by the Office later than three months after the mailinerm adjustment. See 37 CFR 1.704(b).	136(a). In no event, how ly within the statutory mi will apply and will expire e, cause the application	rever, may a reply be tim nimum of thirty (30) days SIX (6) MONTHS from to become ABANDONEI	nely filed s will be considered time the mailing date of this o O (35 U.S.C. § 133).				
Status								
1)☐ Respo	nsive to communication(s) filed on	<u>_</u> .						
2a)☐ This ad	This action is FINAL. 2b)⊠ This action is non-final.							
•	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed	in accordance with the practice under	Ex parte Quayle,	1935 C.D. 11, 45	i3 O.G. 213.	,			
Disposition of C	Claims							
4)⊠ Claim(s) <u>1-18</u> is/are pending in the application	۱.						
4a) Of	4a) Of the above claim(s) is/are withdrawn from consideration.							
·	s) is/are allowed.							
· ·	s) <u>1-18</u> is/are rejected.							
-	s) is/are objected to.	ar alaction require	mant		:			
o) Claiili(s) are subject to restriction and/	or election require	anent.		,			
Application Par	pers							
•	ecification is objected to by the Examin		_					
	10)⊠ The drawing(s) filed on <u>05 November 2003</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner.							
• • • • • • • • • • • • • • • • • • • •	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
11)∐ THE 0a	in or declaration is objected to by the L	Xammer. Note th	e attached Office	Action of form r	10-132.			
Priority under 3	5 U.S.C. § 119			•				
12) ☐ Acknov	vledgment is made of a claim for foreig	n priority under 3	5 U.S.C. § 119(a)	-(d) or (f).				
· · · · · · · · · · · · · · · · · · ·	b) ☐ Some * c) ☐ None of:							
	Certified copies of the priority documen							
	Certified copies of the priority documen		* *					
	Copies of the certified copies of the prices	•		ed in this National	Stage ,			
	application from the International Burea attached detailed Office action for a lis	•		·d				
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Attachment(s)			_					
	rences Cited (PTO-892) sperson's Patent Drawing Review (PTO-948)	4) 🗔	Interview Summary Paper No(s)/Mail Da					
3) Information Di	sclosure Statement(s) (PTO-1449 or PTO/SB/08	<i>'</i>	Notice of Informal P		O-152)			
Paper No(s)/M	lail Date	6) 🗀	Other:					

DETAILED ACTION

Abstract

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

For this application, the abstract has more than 150 words.

Drawings

Figures 1,2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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The drawings are objected to because the element "EP" 130 in fig 1 should be changed to "PD". Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claims 1-9,11,17 are objected to because of the following informalities:

- 1) Claim 1, line 18; Claim 7, line 22; "fiberoptic sensor" should be changed to "fiberoptic sensor unit".
- 2) Claim 2, lines 2-3; Claim 8, lines 2-3; Claim 11, lines 2-3; Claim 17, lines 2-3, change "the FP filter" should be changed to "the tunable FP filter".

Claims 3-6,9 are also objected as being depended on the objected claim.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- 1) Claim 1, line 12, "the FP filter" is not clear. Which filter does Applicant want to refer to? (tunable Fabry-perrot filter 318 (fig 3) or the Etalon filter 344 (fig 4)). According to fig 4, the claimed "FP filter" in claim 1, line 12, should be the "Etalon filter" because it is a part of the wavelength compensation means. For the examination pupose, Examiner assumes the claimed "the FP filter" to be the "Etalon filter".
 - 2) Claims 7,10,16 have the same problem as discussed in claim 1 above.

Claims 2-6,8-9,11-15,17-18 are rejected as being depended on the rejected claim.

Allowable Subject Matter

Claims 1-18 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

The following is a statement of reasons for the indication of allowable subject matter: Prior arts of record do not disclose a strain measurement system. The system comprises: a tunable light generator comprising a Super Luminescent light emission Diode (SLD), and a tunable Fabry-perrot (FP) filter cascaded to an output terminal of the SLD to convert light having a wideband spectrum, which is generated in the SLD, into discrete optical signals having central wavelengths at regular intervals; wavelength compensation means for receiving the optical signals from the tunable light generator through the coupler and detecting wavelengths of an optical signal output from the tunable light generator and passed through the FP filter which structurally arranged and functionally operated as claimed in claims 1,7,10,16.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu T. Nguyen whose telephone number is (571) 272-2424. The examiner can normally be reached on T-F 7:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Toatley Jr. can be reached on (571) 272-2800 Ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu T. Nguyen
Primary Examiner

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10/12/2004